

UNCLASSIFIED

AD NUMBER	
AD508205	
CLASSIFICATION CHANGES	
TO:	UNCLASSIFIED
FROM:	CONFIDENTIAL
LIMITATION CHANGES	
TO: Approved for public release; distribution is unlimited.	
FROM: Distribution authorized to U.S. Gov't. agencies and their contractors; Critical Technology; 31 OCT 1969. Other requests shall be referred to Assistant Chief of Staff for Force Development (Army), Attn: FOR-OT-UT, Washington, DC 20301. This document contains export-controlled technical data.	
AUTHORITY	
AGO D/A ltr, 13 Oct 1980; AGO D/A ltr, 13 Oct 1980	

THIS PAGE IS UNCLASSIFIED

**THIS REPORT HAS BEEN DELIMITED
AND CLEARED FOR PUBLIC RELEASE
UNDER DOD DIRECTIVE 5200.20 AND
NO RESTRICTIONS ARE IMPOSED UPON
ITS USE AND DISCLOSURE.**

DISTRIBUTION STATEMENT A

**APPROVED FOR PUBLIC RELEASE,
DISTRIBUTION UNLIMITED.**

UNCLASSIFIED

AD 508205

CLASSIFICATION CHANGED
TO: **UNCLASSIFIED**
FROM **CONFIDENTIAL**
AUTHORITY:

TAG Action
8008611, OHG.^DA
ltr, 13 Oct 80

UNCLASSIFIED

SECURITY

MARKING

The classified or limited status of this report applies to each page, unless otherwise marked.

Separate page printouts MUST be marked accordingly.

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE LAWS, TITLE 18, U.S.C., SECTIONS 793 AND 794. THE TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW.

NOTICE: When government or other drawings, specifications or other data are used for any purpose other than in connection with a definitely related government procurement operation, the U.S. Government thereby incurs no responsibility, nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use or sell any patented invention that may in any way be related thereto.

CONFIDENTIAL

**DEPARTMENT OF THE ARMY
OFFICE OF THE ADJUTANT GENERAL
WASHINGTON, D.C. 20310**



IN REPLY REFER TO

AGDA (M) (16 Mar 70)

FOR OT UT 694101

20 March 1970

SUBJECT: Operational Report - Lessons Learned, Headquarters, 52d Signal Battalion, Period Ending 31 October 1969 (U)

SEE DISTRIBUTION

In addition to the distribution
transmitted to
be made only with permission

attn: FOR OT-UT-

*to DA, ACSI FOR
Washington 20301*

1. Subject report is forwarded for review and evaluation in accordance with paragraph 4b, AR 525-15. Evaluations and corrective actions should be reported to ACSFOR OT UT, Operational Reports Branch, within 90 days of receipt of covering letter.

2. Information contained in this report is provided to insure appropriate benefits in the future from lessons learned during current operations and may be adapted for use in developing training material.

BY ORDER OF THE SECRETARY OF THE ARMY:

Kenneth G. Wickham

**KENNETH G. WICKHAM
Major General, USA
The Adjutant General**

1 Incl
as

DISTRIBUTION:

Commanding Generals

US Continental Army Command
US Army Combat Developments Command
US Army Materiel Command

Commandants

US Army War College
US Army Command and General Staff College
US Army Air Defense School
US Army Armor School
US Army Field Artillery School
US Army Infantry School
US Army Signal School
US Army Southeastern Signal School

**SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS**

**Copies furnished:
Office, Chief of Staff, US Army**

**Regraded unclassified when separated
from classified inclosure.**

CONFIDENTIAL

PAGE 2
DISTRIBUTION

CONFIDENTIAL NOFORN

DEPARTMENT OF THE ARMY
HEADQUARTERS, 52D SIGNAL BATTALION
APO San Francisco 96215

SCCPV-SG-VD-0

31 October 1969

SUBJECT: Operational Report - Lessons Learned of Headquarters,
52d Signal Battalion for Period Ending 31 October
1969, RCS CSFOR-65 (R2) (U).

SEE DISTRIBUTION

1. Section 1. Operations: Significant Activities

a. Mission: During the reporting period the 52d Signal Battalion established and maintained communications facilities in support of the Delta Military Assistance Command, and other U.S. and Free World Military Units in IV Corps Tactical Zone, RVN.

b. General: The 52d Signal Battalion is organized under MTOE-500 GC 06 and is performing its mission under the control and supervision of 2d Signal Group, its parent organization. The Battalion has been in operation the entire 92 days of this quarter.

c. Activities:

(1) Ceremonies:

(a) A ribbon cutting ceremony was held on 8 September 1969 at A Company, 52d Signal Battalion, IV Corps Comm Center. The ceremony was attended by Major General Roderick Wetherill, CG DMAC, Brigadier General Jack A. Albright, Deputy CG 1st Signal Brigade, and many other distinguished visitors.

(b) LTC Don R. Wong relinquished command to LTC Freeman L. Pendleton during a Change of Command ceremony on 20 October 1969. The ceremony was attended by Major General Roderick Wetherill, CG DMAC, Brigadier General Thomas Rienzi, CG 1st Signal Brigade, Brigadier General George Cantlay, Deputy CG DMAC, and Brigadier General Hanh, Deputy CG IV Corps. LTC Wong was presented the Legion of Merit and the Air Medal by General Rienzi.

Regraded unclassified when separated
from classified inclosure.

1

CONFIDENTIAL NOFORN

DOWNGRADED AT 12 YEAR INTERVALS;
NOT AUTOMATICALLY DECLASSIFIED.
DOD DIR 5200.10

FOR OT UT
694101
Inclosure

CONFIDENTIAL

SCCPV-SG-VD-0

31 October 1969

SUBJECT: Operational Report - Lessons Learned of Headquarters,
52d Signal Battalion for Period Ending 31 October
1969, RCS CSFOR-65 (R2) (U).

(2) Principle Staff Change:

(a) Major John S. Williams was assigned as Battalion S-3 Officer on 7 August 1969. This is Major Williams' second tour in Vietnam.

(b) On 26 September 1969 Captain John E. Krivo assumed the responsibilities of Battalion Chaplain, filling the vacancy left by the departure of Captain Joel Embry during the last quarter.

(c) LTC Freeman L. Pendleton assumed command of the 52d Signal Battalion on 20 October 1969. The previous Battalion Commander, LTC Don R. Wong departed for his new assignment with DCA.

(3) Distinguished Visitors:

(a) Colonel John E. Sterling, CO, 34th Engineer Group visited A Company, 52d Signal Battalion on 6 August 1969. A tour and briefing were presented with emphasis on construction projects.

(b) Brigadier General Jack A. Albright, Deputy CG, 1st Signal Brigade visited the 52d Signal Battalion Sites at Bao Lieu and Soc Trang on 13 August 1969.

(c) The 1st Signal Brigade IG Team inspected the 52d Signal Battalion and its companies during the period 1-6 September 1969.

(d) Major General Roderick Wetherill, CG DMAC, visited the 52d Signal Battalion Headquarters and A Company on 7 September 1969. Detailed briefings were given at each location.

(e) Air Force General Gordon Gould visited A Company, 52d Signal Battalion on 17 September 1969. A tour and briefing were conducted at the A Company major facilities.

(f) LTC Trail, Engineer Officer of 1st Signal Brigade, visited the 52d Signal Battalion Headquarters and several sites on 29 and 30 September 1969. Col Trail inspected commobunker construction in the 52d Signal Battalion.

CONFIDENTIAL

SCCFV-SG-VD-0

31 October 1969

SUBJECT: Operational Report - Lessons Learned of Headquarters,
52d Signal Battalion for Period Ending 31 October
1969, RCS CSFOR-65 (R2) (U).

(g) LTC Galloway, the new DMAC Signal Advisor visited Battalion Headquarters and A Company on 1 October 1969. Briefings were given at both locations to give LTC Galloway an appreciation for the mission and capabilities of the 52d Signal Battalion.

d. Personnel and Administration:

(1) The 52d Signal Battalion implemented its new MTOE's (11-500 GC 06) during the month of September. The new authorized strength is 840. The battalion has 717 personnel or 85.4% of its authorized strength at this time. The Battalion is sufficiently staffed to perform its mission.

(2) Key MOS Shortages at the end of the reporting period exist mostly in NCO supervisory areas. A number of these shortages are caused by an increase of personnel authorized in an MOS or an addition of new MOS's.

<u>MOS</u>	<u>DESCRIPTION</u>	<u>AUTH</u>	<u>ASG</u>	<u>SHORT</u>
31J	TTY Equipment Repairman	21	15	6
31M	RADIO Relay Carrier Operator	133	122	11
31N40	Tactical Circuit Control	5	Ø	5
32F	Fixed Ciphony Repairman	11	3	8
32F40	Fixed Ciphony Repair Supervisor	3	Ø	3
36C40	Wire Team Chief	24	8	16
51L	Refrigerator Specialist	9	6	3
63C40	Motor Sergeant	6	4	2
70A	Clerk	9	Ø	9
71H	Personnel Specialist	16	12	4
71T	Maintenance Data Specialist	5	Ø	5
76U	Communications Electronic Parts Specialist	9	3	6
76Y30	Armorer	4	2	2
76Y40	Supply Sergeant	7	4	3

31 October 1969

SUBJECT: Operational Report - Lessons Learned of Headquarters,
52d Signal Battalion for Period Ending 31 October
1969, RCS CSFOR-65 (R2) (U).

(3) There was a 330% increase in promotion allocations over last quarter, however due to lack of position vacancies and rotation of eligible personnel prior to receipt of allocations only 75.7% of the allocations could be used.

(4) During the reporting period the following awards and decorations were approved for members of this Command.

<u>MEDAL</u>	<u>AUGUST</u>	<u>SEPTEMBER</u>	<u>OCTOBER</u>	<u>TOTAL</u>	<u>LAST QTR</u>
Silver Star	Ø	Ø	Ø	Ø	1
Legion of Merit	Ø	Ø	1	1	Ø
BSM "V"	Ø	Ø	Ø	Ø	1
BSM	4	6	1Ø	2Ø	1Ø
Air Medal	1	Ø	1	2	1
ACM "V"	Ø	Ø	Ø	Ø	Ø
ACM	11	9	46	66	21
Purple Heart	1	Ø	Ø	1	2
Cert/Ach	13	19	37	69	18

(5) There was a large drop in the number of home town news releases this quarter due to a decrease in the number of new incoming personnel and an increase in the number of personnel requesting not to have stories released. The breakdown is as follows:

<u>AUGUST</u>	<u>SEPTEMBER</u>	<u>OCTOBER</u>	<u>TOTAL</u>	<u>LAST QTR</u>
41	55	44	140	318

e. Intelligence:

(1) Enemy Activities: 39 enemy initiated activities were reported during this quarter. No casualties were reported.

(a) On 5 September 1969 at 0035H hours, the 324th Signal Company site at Cao Lanh was hit by 82mm mortar fire damaging two generators. There were no injuries.

SCCPV-SG-VD-0

31 October 1969

SUBJECT: Operational Report - Lessons Learned of Headquarters,
52d Signal Battalion for Period Ending 31 October
1969, RCS CSFOR-65 (R2) (U).

(b) On 11 September 1969, at 0100H hours, the D Company Signal Site at Vi Thanh was hit by 82mm mortar fire. One round hit a 26 pair cable about 50 meters from the commobunker. Two 26 Pair cables, two 55 gallon drums of oil, one $\frac{1}{4}$ ton truck and a 2 $\frac{1}{2}$ ton truck were damaged.

(2) Defense Measures: An extensive construction program at all sites was carried out during the quarter. Two carrier bunkers were begun, one at Moc Hoa and one at Vi Thanh.

(3) Physical Security Program: The Annual Physical Security Survey of the 52d Signal Battalion Headquarters was conducted by the 92d Military Police Company on 11 September 1969. Physical security surveys of four companies were conducted by CW3 L.S. McKay, Battalion S-2 during the quarter.

(4) Counter-Intelligence Inspections: During this quarter six counter-intelligence inspections were conducted by Battalion S-2. Four more are scheduled. The counter-intelligence inspections conducted by 2d Signal Group on 16 August 1969 and the 1st Signal Brigade IG Team on 6 September 1969 showed the Battalion's counter-intelligence program to be satisfactory.

(5) Security Violations: None.

f. Organization:

(1) The Signal Site at Moc Hoa, which was formerly part of the 324th Signal Company was put under the operational control of A Company on 30 August 1969.

(2) With the implementation of the new MTOE this month, there was a change in the basic organization of the battalion. The Can Tho Support Facility was added to the organizational chart. The support facility consists of the Dial Telephone Exchange, Can Tho Minor Relay, Special Quality Data Circuit Switching Center and the Tandem Switch.

(3) The 324th Signal Company, 52d Signal Battalion was deactivated on 15 October 1969 and redesignated B Company, 52d Signal Battalion. My Tho, Go Cong, Ben Tre, and Dong Tam which were part of old B Company were put under operational control of C Company. The 324th Company will return to CONUS for deactivation.

(4) Organisational Chart enclosed.

31 October 1969

SUBJECT: Operational Report - Lessons Learned of Headquarters,
52D Signal Battalion for Period Ending 31 October
1969, RCS CSFOR-65 (R2) (U).

g. Operations:

(1) Deactivation of AAH52, 77UH3G, and AAZ66: AAH52, an AN/TRC-24 shot from Vi Thanh to Rach Gia was deactivated on 29 August 1969. All circuits which were originally on this system were cut over to ICS. 77UH3G, a 12 channel trunk group from Can Tho to Sa Dec was deactivated on 4 August 1969. The circuits on this trunk group were also rerouted over ICS. AAZ66, a 12 channel trunk group from Can Tho to Dong Tam was deactivated on 28 September 1969. The troop withdrawal from Dong Tam was responsible for this deactivation.

(2) Deactivation of Tone Packs AAXO7, 77UXE4, and 77UX77: Three voice frequency teletype tone packs, AAXO7, Can Tho to Dong Tam; 77UXE4, Can Tho to Tan Son Nhut; and 77UX77, Can Tho to Tan Son Nhut, were deactivated during this quarter. It is estimated that by the end of the next quarter that four remaining tone packs will be deactivated. These deactivations are partially due to troop cut-backs and partially to the expanded capabilities of ICS.

(3) Deactivation of the Dong Tam Tandem Trunks: The 13 Tandem Trunks which terminated on the switch board at Dong Tam were deactivated during the month of August. With the large American troop withdrawal from Dong Tam these trunks were no longer necessary and are ear marked for use in other locations.

(4) Addition of Moc Hoa station to IV Corps O&I Net: An AN/GRC-122 was installed at Moc Hoa on 1 October 1969, thereby adding an additional station to the IV Corps O&I Net. The AN/GRC-122 is the first piece of equipment to be installed in the recently completed commobunker.

(5) Installation of PT-to-PT HF/RTT Net: A PT-to-PT HF/RTT Net was installed on 9 October 1969 between Chi Lang and Ha Tien. The net is being used for coordination of border control activities and consists of two AN/GRC-122's operating both voice and secure TTY modes.

(6) Relocation of Long Xuyen Carrier: During the early part of this quarter, relocation of the carrier equipment at Long Xuyen was begun. The carrier equipment is being relocated from its present position at the 52d Site to the ICS Site a short distance away. The relocation will be operationally complete during the next quarter; however bunkering for the vans will be a problem. Bunkering is required to be the same as that used by ICS and no material like that required is available to the 52d at this time.

SCCPV-SG-VD-0

31 October 1969

SUBJECT: Operational Report - Lessons Learned of Headquarters,
52d Signal Battalion for Period Ending 31 October
1969, RCS CSFOR-65 (R2) (U).

(7) Replacement of AN/GRC-26D's by AN/GRC-122's in O&I Net:
Five AN/GRC-26D's, two MRR-8's and two MRT-9's in the 52d Signal
Battalion O&I Net were replaced by eight AN/GRC-122's early in this
quarter. The simplicity of setting and changing frequency and the
frequency stability obtained have improved the operational quality
of the net tremendously. It was found that by leaving both the
AN/GRC-122 and the MRR-8/MRT-9 on the air at the PCS during the
transition and dividing the net into two separate nets (one using
the old equipment and one using the new AN/GRC-122) many compatibility
problems could be eliminated. More live traffic was passed during
the first month of operation than in the last two years.

h. Training:

(1) OJT Program: The OJT program in the Battalion is used
in introducing new personnel to the type and quality of communications
required in RVN. The program is also used to help relieve shortages
in key MOS fields. The OJT program during this reporting period
decreased due to the assignment of qualified personnel within key
MOS fields. There were 502 personnel trained under the OJT program
this reporting period. The breakdown is as follows:

<u>MOS</u>	<u>DESCRIPTION</u>	<u>PERS TRG IN MOS</u>	<u>PERS CROSS TRG</u>	<u>TOTAL</u>	<u>LAST QTR</u>
05B	RADIO OPR	11	4	15	11
05C	RTT OPR	43	2	45	30
31E	FLD RAD RPM	7	1	8	6
31M	RAD REL CARR ATTN	88	7	95	117
31Z	ARMY AREA COM CH	21	2	23	5
32C	FIX STA RPM	2	2	4	6
36G	MANUAL SWBD RPM	10	3	13	14
36C	POLE LINEMAN	34	8	42	42
36H	DIAL CENTRAL RPM	12	4	16	21
52B	PWR GEN OPR MECH	6	3	9	38

SCCPV-SG-VD-0

31 October 1969

SUBJECT: Operational Report - Lessons Learned OP Headquarters, 52d
Signal Battalion for Period Ending 31 October 1969, RCS
CSFOR-65 (R2) (U).

MOS	DESCRIPTION	PERS T'G IN MOS	PERS GROSS T'G	TOTAL	LAST CTR
63B	WHEEL VEH MECH	13	2	15	21
71B	CLERK TYPIST	4	5	9	13
71F	POSTAL CLERK	1	1	2	2
72B	COMM CNTR SPC	126	3	129	116
72C	TEL SWED OPR	38	1	39	82
76U	ELECT PARTS SPC	5	1	6	5
76Y	GEN SUPPLY SPC	7	2	9	11
9'	COOK	22	1	23	

(2) Special Training Projects: Special Training during this reporting period consisted of USATF 1st Signal Brigade courses and special classes held within the Battalion on the AN/GRC-122's and MGC-22-23's. These classes help increase the proficiency of operators in the unit, as well as being used in conjunction with the OJT program. The following chart shows a breakdown of the 52d personnel attending USATF courses:

	ATT	ALLOC
Cable Splicers	1	1
PCM Operators	1	1
PCM Maintenance	2	2
AN/GRC-50 Maintenance	1	1
71H Refresher Training	2	2
Telephone Installation and Repair	6	6
Cable Construction Plt Ldr Course	<u>1</u>	<u>1</u>
TOTAL:	14	14

31 October 1969

SUBJECT: Operational Report - Lessons Learned of Headquarters,
52d Signal Battalion for Period Ending 31 October
1969, RCS CSFOR-65 (R2) (U).

1. Logistics:

(1) Battalion Property Books Decentralized: Decentralization of the property books was begun during the first month of this quarter. The decision to decentralize the property books was made last quarter after many problems arose with the old system. Concurrence with this decision to decentralize the property books was given by the AGI Team during their recent inspection.

(2) New Supply Policy Implemented: A new supply policy has been implemented by Battalion S-4 whereby each company is required to submit a written forecast of required supplies on a weekly basis. This helps to consolidate paper work and make supply procedures more efficient.

(3) AN/GRC-122's Added to Battalion Assets: During the early part of this quarter twelve AN/GRC-122 radio vans were added to the Battalion Property Books. These vans were used to replace the less reliable AN/GRC -26D's in the IV Corps O&I Net. The installation of these new AN/GRC-122's left 5 AN/GRC -26D's, 2 MRT-9's and 2 MTRU-8's available for turn in by Battalion S-4. Several AN/GRC-122's are expected to be added to the Battalion's assets due to the recent commitment received for this equipment.

(4) New Generators: The Battalion has received twelve 15 KW generators during this quarter. These will provide the capability of retiring over-age generators and decreasing the number of power failures due to worn out generators.

(5) Inadequate POL Support: Inadequate POL support, resulting from unscheduled and unannounced aerial and commercial delivery by the 574th Supply and Service Co, Saigon, has necessitated the handling and arranging for delivery of POL products to many of the 52d Sites to be done by Battalion S-4.

2. Section 2. Lessons Learned: Commanders Observations, Evaluations and Recommendations:

- a. Personnel: None.
- b. Intelligence: None.
- c. Operations: None.
- d. Organization: None.

31 October 1969

SUBJECT: Operational Report - Lessons Learned of Headquarters,
52d Signal Battalion for Period Ending 31 October
1969, RCS CSFOR-65 (R2) (U).

e. Training:

(1) ARVN - DTE Buddy System Training:

(a) Observation: Except as a human relations effort between the ARVN and US personnel, the training of ARVN's as inside telephone plant repairmen (36H) has been largely ineffective.

(b) Evaluation: Although trainees are supposed to speak and understand English, most of them do not, and an interpreter has to be employed to breach the language barrier. The 52d has no 36H personnel or NCO's who speak Vietnamese. Together with the ARVN's lack of technical knowledge and ability, these problems make it difficult to train ARVN personnel in inside telephone plant operation and maintenance procedures.

(c) Recommendation: That the present ARVN training program emphasize the training of only qualified ARVN's who can speak English.

f. Logistics:

(1) Interchangeability of Actuator, Governors:

(a) Observation: The actuator, governors used with the 15 and 30 KW generators can be made interchangeable with a few minor modifications.

(b) Evaluation: With the difficulty in obtaining actuator, governors for 15 and 30 KW generators it has become necessary to convert these actuator, governors from 15 to 30 KW and vice versa. This modification is done by turning the coil-armature assembly and transducer 180 degrees to change from one power rating to the other.

(c) Recommendation: That units having trouble obtaining 15 or 30 KW actuator, governors perform the above modification when necessary and that the above procedure be written out in detail and disseminated to all units.

g. Communication:

(1) Excessive Failure of Modem MD-522:

SUBJECT: Operational Report - Lessons Learned of Headquarters, 52d Signal Battalion for Period Ending 31 October 1969, RCS CSFOR-65 (R2) (U).

(a) Observation: An unusual number of failures of AN/GRC-122 equipment have been attributed to the teletype modem MD-522.

(b) Evaluation: The modem MD-522 has an internal DC power supply which produces the 60 MA required to operate the TT-98. Some sites are using TT-98's that also have a 60 MA power supply built-in. When the TT-98 and the modem MD-522, each producing 60 MA are connected together, capacitor C-12 in the modems DC power supply is damaged.

(c) Recommendation: That all teletype equipment used in conjunction with the AN/GRC-122 or AN/GRC-142 either have the 60 MA power supply removed or have it turned off.

(2) Excessive Failure of Amplifier AM-3349:

(a) Observation: The power amplifier AM-3349 used in the AN/GRC-12 has a tendency to over heat and burn out.

(b) Evaluation: The tolerance allowed between the blower and the case wall is too small to allow free rotation of the blower once the case has been painted. Without the cooling provided by the blower, the equipment rapidly heats up and causes the components to break down.

(c) Recommendation: That the paint be removed from case wall in the vicinity of the blower in order to allow free rotation of the blower.

(3) Microwave Dishes:

(a) Observation: Microwave dish antenna can be used to up-grade AN/GRC-50 systems.

(b) Evaluation: Experimentation with a test shot between Tra Vinh and Vinh Long has shown that use of microwave dish antenna can be used effectively to decrease the noise level of AN/GRC-50 systems.

(c) Recommendation: That units having trouble with marginal AN/GRC-50 shots install microwave dishes at the terminals.

SCCPV-SG-VD-0

31 October 1969

SUBJECT: Operational Report - Lessons Learned of Headquarters,
52d Signal Battalion for Period Ending 31 October
1969, RCS CSFOR-65 (R2) (U).

h. Material:

(1) Improvement of 30 KW Holgar Generators:

(a) Observation: The brass pin that secures the float in the day tank of the 30 KW Holgar generator has a tendency to wear and fall out causing the generator to be inoperative.

(b) Evaluation: The brass pin, being fairly soft, is easily worn by vibration caused during operation of the generator. The pin eventually falls out causing the day tank float to become inoperative and the generator to stop running.

(c) Recommendation: That these pins be removed and replaced with steel pins which, because of their hardness, will resist wear better and last longer.

i. Others: None.

1 Incl
as


FREEMAN L. PENDLETON
LTC, SigC
Commanding

DISTRIBUTION:

2 - CINCUSARPAC
3 - CG, USARV
1 - CG, 1ST SIGNAL BRIGADE
6 - CO, 2D SIGNAL GROUP
1 - CG, USASTRATCOM PAC

SCCFV-SG-CO (31 Oct 69) 1st Ind


SUBJECT: Operational Report - Lessons Learned of Headquarters, 52d
Signal Battalion for Period Ending 31 October 1969, RCS
CSFOR-65 (R2)

DA, Hqs, 2d Signal Group, APO SF 96491

22 November 1969

TO: Commanding General, 1st Signal Brigade, ATTN: SCCFV-OP, APO SF
96384

1. Subject report is forwarded in accordance with 1st Signal Brigade
Regulation CCFVR 1-19, dated 12 July 1968 as changed.
2. The report has been reviewed and concurred in by this headquarters.


EDWARD D. MEARES
Colonel, SigC
Commanding

SCCPV-OP-AD (31 Oct 69) 2d Ind
SUBJECT: Operational Report - Lessons Learned, Headquarters 52d Signal
Battalion for Period Ending 31 October 1969, RCS CSFOR-65 (R2)

DA, HQ, 1st Signal Brigade (USASTRATCOM), APO 96384 8 December 1969

TO: Commanding General, United States Army Vietnam, ATTN: AVHCC-DST,
APO 96375

1. Subject report is forwarded in accordance with AR 525-15.
2. The following comments are made:

a. Reference item "New Generators", Para 11(4) Page 9: Generators require replacement at prescribed hours for rebuild or overhaul in accordance with TB 5-6100-201-15 date 24 Jun 68. Insufficient generators are being received in the command to replace on hand generators in the time frame prescribed in the Technical Bulletin.

b. Reference item "Inadequate POL Support", Para 11(5) Page 9: The 52d Signal Battalion is organized under USASTRATCOM General Order 134 dated 1 July 1969. Current authorization documents only authorize the battalion one (1) Truck, fuel, service, 2½ ton, LIN X57271. Previous authorization documents authorized:

<u>LIN</u>	<u>NOMENCLATURE</u>	<u>QTY</u>
X57271	Truck, tank, fuel, svc, 2½T	2 each
V15566	Tank, liquid storage 600 gal	55 each
V19950	Tank unit, liquid disp 600 gal for TM	20 each

Action is being taken to update authorization documents for fuel storage and handling equipment to provide adequate requirements.

c. Reference item "Training", Para 2e, Page 10: This is a valid recommendation as a buddy system project. Commanders must exercise care in beginning projects requiring English speaking capability on the part of the ARVN personnel. Formal training programs monitored by Brigade always specify that trainees must be English Language qualified.

d. Reference item "Excessive failure of Modem MD-522", Para g(1), Page 10: Concur with the recommendations. Para 2-18, TM 11-5815-334-35. DS, GS and Depot Maintenance Manual Radio Teletypewriter Sets AN/GRC-142 and AN/GRC-122 dtd Dec 1967 is quoted. "A teletypewriter loop is a DC series circuit with the teletypewriter send and/or receive circuits connected in series with a DC source. The MD-522(*)/GRC is used as the DC source in the AN/GRC-142 or the AN/GRC-122". When using the AN/UGC-4 (a TT-98 with built-in power supply PP-978/FG) the internal DC power source should be bypassed to preclude damage to components in the MD-522(*)/GRC.

SCCPV-OP-AD

8 December 1969

SUBJECT: Operational Report - Lessons Learned, Headquarters 52d Signal
Battalion for Period Ending 31 October 1969, RCS CSFOR-65 (R2)

e. Reference item "Excessive Failure of Amplifier AM-3349", Para 2g(2):
Concur with the recommendations. Maintenance personnel should insure that accumulations of dirt and dust on the case walls and fan blades are not the primary source of the problem. If not, an Equipment Improvement Recommendation (EIR) should be submitted to the National Maintenance Point in accordance with para 3-7.4 TM 38-750. As an interim measure the recommended solution appears adequate.


f. Reference item "Microwave Dishes", Para 2g(3) Page 11: In the event microwave dish antennas are used to upgrade AN/GRC-50 systems, normal logistics accounting procedures, i.e. hand receipts and property books should be utilized to insure that (1) the location of the AN/GRC-50's original antenna is known at all times and (2) that the location of the equipment the microwave antenna comes from is known when it becomes necessary that the equipment be married up again.

g. Reference item "Improvement of 30KW Holgar Generator", Para 2h(1),
Page 12:

(1) There have been no previous reports of failure of the brass pin that secures the float in the day tank of the 30 KW Holgar generator.

(2) An EIR (Equipment Improvement Recommendation) should be submitted recommending that the brass pin be replaced with a steel pin.

FOR THE COMMANDER:


T. E. MULLEN
LTC, AGC
Adjutant General

CF:

Commanding General, United States Army Strategic Communications
Command, ATTN: SCC-OPS-RT, Fort Huachuca, Arizona 85613
Commanding Officer, 2d Signal Group, APO 96491
Commanding Officer, 52d Signal Battalion, APO 96215

AVHGC-DST (31 Oct 69) 3d Ind

SUBJECT: Operational Report - Lessons Learned of Headquarters, 52d Signal Battalion for Period Ending 31 October 1969, RCS CSFOR-65 (R2)

HEADQUARTERS, UNITED STATES ARMY, VIETNAM, APO San Francisco 96375 18 JAN

THRU: Commanding General, United States Army Strategic Communications Command-Pacific, APO 96557

TO: Commander in Chief, United States Army, Pacific, ATTN: GPOP-DT, APO 96558

1. This headquarters has reviewed the Operational Report-Lessons Learned for the quarterly period ending 31 October 1969 from Headquarters, 52d Signal Battalion and comments of indorsing headquarters.

2. Comments follow:

a. Reference item concerning "ARVN - DTE Buddy System Training", page 10, paragraph 2e(1) and 2d Indorsement, paragraph 2c; nonconcur. Having English speaking students would be helpful, but will train very few Vietnamese. Of far greater impact would be a short formal school as a brush up on electronic fundamentals and a full formal course in DTE theory of operation prior to attempting OJT. Follow up OJT should consist of an American, well versed in the work, a student interpreter and three to four Vietnamese students working as a team.

b. Reference item concerning "Interchangeability of Actuator, Generator", page 10, paragraph 2f(1); nonconcur. Although the physical configuration of the actuators can be arranged to permit interchange of 15 kw to 30 kw sets, differences in the electrical balance circuitry are not off-set by this change. This problem is now under study by the US Army Mobility Equipment Command. When data is received on this matter, a more detailed reply will be furnished.

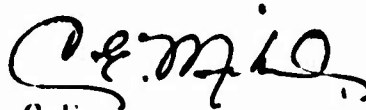
c. Reference item concerning "Excessive failure of Modem MD-522", page 10, paragraph 2g(1) and 2d Indorsement, paragraph 2d; concur. Radio sets AN/GRC-122 and AN/GRC-142 are issued with 2 ea. TT-98. These teletype-writers do not have an internal DC power supply when issued in this configuration. Extra care should be taken to insure that in the event of having to replace TT-98's a check is made to see if an internal DC power supply is installed. It should be removed prior to operation.

AVHOC-DST (31 Oct 69) 3d Ind

SUBJECT: Operational Report - Lessons Learned of Headquarters, 52d Signal Battalion for Period Ending 31 October 1969, RCS CSFOR-65 (R2)

d. Reference item concerning "Improvement of 30 kw Holgar Generators", page 12, paragraph 2h(1) and 2d Indorsement, paragraph 2g; nonconcur. The problem was caused by improper connection between the day tank float pin and the float hinge. This problem has been corrected and there is no requirement for replacement of the hardened brass pin.

FOR THE COMMANDER:



C. E.

MAJ. GEN.

Assistant Adjutant General

Cy Furn:
52d Sig Bn
1st Sig Bde

CONFIDENTIAL

SCCP-OP3 (31 Oct 69) 4th Ind (C)
SUBJECT: Operational Report - Lessons Learned of Headquarters
52d Signal Battalion for Period Ending 31 October
1969, RCS CSFOR-65 (R2) (U)

Headquarters, United States Army Strategic Communications
Command-Pacific, APO San Francisco 96557 1 4 FEB 1970

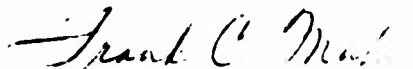
TO: Commander in Chief, United States Army, Pacific, ATTN:
GPOP-DT, APO 96558

1. (U) Subject report is forwarded in accordance with
AR 525-15.
2. (C) This headquarters has reviewed subject report and
offers the following comments:

a. Reference paragraph 2e(1), page 10, basic report;
paragraph 2c, 2d indorsement; and paragraph 2a, 3d indorse-
ment. The "Buddy System" of training, as now in operation,
is an informal and independent undertaking of the 1st Signal
Brigade. A formal training plan has been developed by the
1st Signal Brigade. This plan is structured into three phases:
(1) English language training; (2) technical training; and
(3) OJT. As of 4 February 1970, USARPAC has tasked USARV
with the responsibility of establishing the ARVN CE training
in accordance with this plan. It is assumed that the formal
training program will replace the informal "Buddy System"
now in effect.

b. Concur with the remainder of the report as
indorsed.

FOR THE COMMANDER:


FRANK C. MAHIN
COL, GS
Chief of Staff

CF: wo Incl
CG, USARV, APO 96375
CG, 1st Sig Bde (USASTRATCOM), APO 96384
CO, 2d Sig Gp (USASTRATCOM), APO 96491
CO, 52d Sig Bn (USASTRATCOM), APO 96215

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS

18
CONFIDENTIAL

DOWNGRADED AT 12 YEAR INTERVALS;
NOT AUTOMATICALLY DECLASSIFIED.
DOD DIR 5200.10

GPOP-DT (31 Oct 69) 5th Ind (U)

**SUBJECT: Operational Report of HQ, 52d Signal Battalion for Period
Ending 31 October 1969, RCS CSFOR-65 (R2) (U)**

HQ, US Army, Pacific, APO San Francisco 96558 19 FEB 70

**TO: Assistant Chief of Staff for Force Development, Department of the
Army, Washington, D. C. 20310**

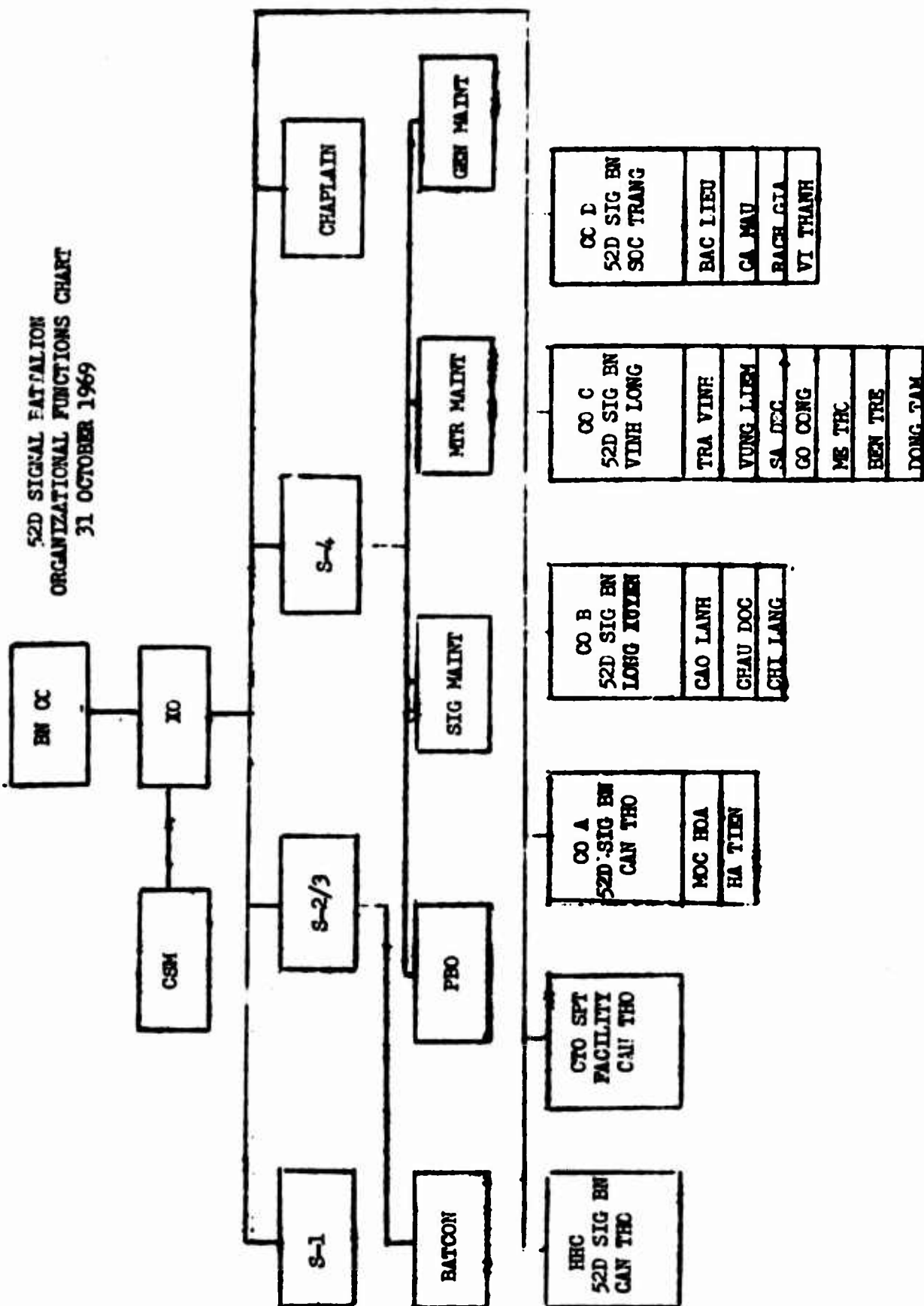
This headquarters concurs in subject report as indorsed.

FOR THE COMMANDER IN CHIEF:

D. A. Tucker
**D. A. TUCKER
CPT, AGC
Asst AG**

**CF:
DA, ACSFOR
CG, USASTRATCOM-PAC**

52D SIGNAL BATTALION
ORGANIZATIONAL FUNCTIONS CHART
31 OCTOBER 1969



UNCLASSIFIED

Security Classification

DOCUMENT CONTROL DATA R & D

(Security classification of title, body of abstract and indexing annotation must be entered when the overall report is classified)

1. ORIGINATING ACTIVITY (Corporate author)

HQ, OACSFOR, DA, Washington, D.C. 20310

2a. REPORT SECURITY CLASSIFICATION

CONFIDENTIAL NOFORN

2b. GROUP

3

3. REPORT TITLE

Operational Report - Lessons Learned, HQ, 52d Signal Battalion

4. DESCRIPTIVE NOTES (Type of report and inclusive dates)

Experiences of unit engaged in counterinsurgency operations, 1 Aug 69 to 31 Oct 69.

5. AUTHOR(S) (First name, middle initial, last name)

CO, 52d Signal Battalion

6. REPORT DATE

31 October 1969

7a. TOTAL NO. OF PAGES

23

7b. NO. OF REFS

8a. CONTRACT OR GRANT NO.

b. PROJECT NO.

N/A

8b. ORIGINATOR'S REPORT NUMBER(S)

694101

8c. OTHER REPORT NO(S) (Any other numbers that may be assigned this report)

10. DISTRIBUTION STATEMENT

11. SUPPLEMENTARY NOTES

N/A

12. SPONSORING MILITARY ACTIVITY

OACSFOR, DA, Washington, D.C. 20310

13. ABSTRACT